Núcleos Sendust

S25 | S26 | S40 | S60 | S75

Os núcleos de liga Sendust são aplicados em filtro de saída em amplificadores classe D, de filtros CA com frequência maior que 8kHz , indutores de potência ou reguladores, transformadores tipo fly-back, sendo indicados no lugar dos núcleos de pó de ferro quando trabalhando em frequências acima de 100kHz.

CARACTERÍSTICAS

- Baixas perdas;
- Indução de saturação de 1,05T;
- Temperatura de trabalho até 200°C.

VANTAGENS

- Menores perdas se comparado ao pó de ferro;
- Maior estabilidade térmica.

BENEFÍCIOS

- Menor aquecimento do equipamento;
- Maior desempenho do sistema.

ESPECIFICAÇÕES

Características	S26	S40	S60	S75	S25
Permeabilidade Inicial	26	40	60	75	125
B_{SAT} (T)	1,05				
Perdas no Núcleo 1T, 50kHz (kW/m)	300				
Temperatura de Curie (°C)	600				

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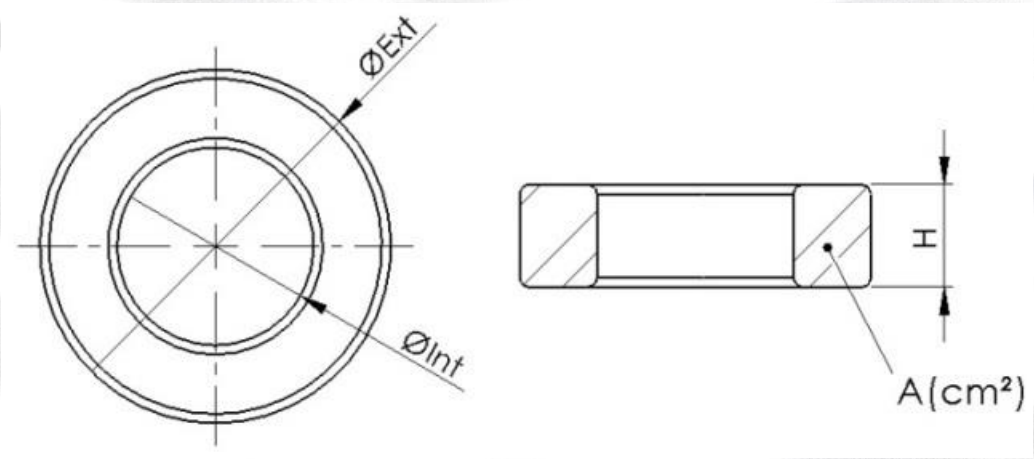
Núcleos Sendust

S25 | S26 | S40 | S60 | S75

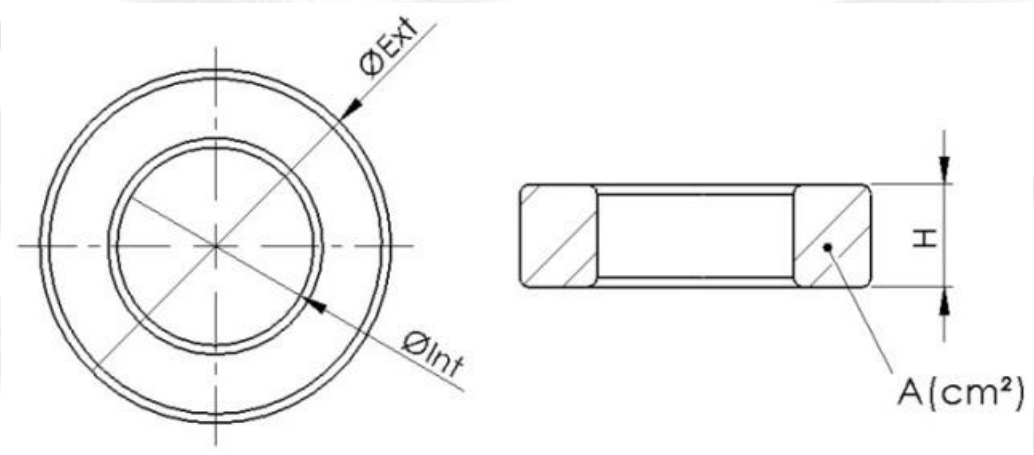
Produto	Código	AL (nH/esp²) Tolerância = ±10%	Ø Ext (mm)	Ø Int (mm)	Altura (mm)	L (cm)	A (cm²)	V (cm³)	As (cm²)	Peso (g)
MMTS25T1606	1.01.0510	72	17,4	9,53	7,11	4,11	0,192	0,789	12,67	5,2
MMTS25T2006A	1.01.0359	68	21,1	12,07	7,11	5,09	0,226	1,15	16,81	7,6
MMTS25T2308	1.01.1358	90	22,9	14,07	7,62	5,67	0,331	1,88	14	10,5
MMTS25T2711	1.01.0767	157	26,9	14,7	11,2	6,35	0,654	4,15	22,5	23,2
MMTS25T3611	1.01.0151	117	35,8	22,4	10,5	8,98	0,678	6,088	46,8	34
MMTS25T7713	1.01.0593	142	77,8	49,2	12,7	20	1,77	34,7	107,7	193,8
MMTS26T1606	1.01.0920	15	17,4	9,53	7,11	4,11	0,192	0,789	12,7	4,7
MMTS26T1706	1.01.0921	19	18,03	9,02	7,11	4,14	0,232	0,96	8,6	5,12
MMTS26T2006	1.01.0952	14	21,1	12,07	7,11	5,09	0,226	1,15	16,8	6,9
MMTS26T2308	1.01.0953	19	23,62	13,39	8,38	5,67	0,331	1,88	14	10,03
MMTS26T2711	1.01.0138	32	27,7	14,1	11,99	6,35	0,654	4,15	23	22,14
MMTS26T2715	1.01.0139	42	26,9	14,7	14,6	6,35	0,858	5,57	27	29,72
MMTS26T3311	1.01.0573	28	33,83	19,3	11,61	8,15	0,672	5,48	29	29,24
MMTS26T4015	1.01.0140	35	40,72	23,3	15,37	9,84	1,072	10,5	63,2	56,03
MMTS26T4713	1.01.0141	42	46,7	24,1	12,9	11,63	1,426	15,26	72,1	81,16
MMTS26T4715	1.01.0142	37	46,7	28,7	15,2	11,63	1,34	15,58	83,2	82,86
MMTS26T4718	1.01.0143	59	46,7	24,1	18	10,74	1,99	21,3	83,41	121,35
MMTS26T7716	1.01.0144	37	77,8	49,2	15,9	19,95	2,27	45,3	180	242



Núcleos Sendust

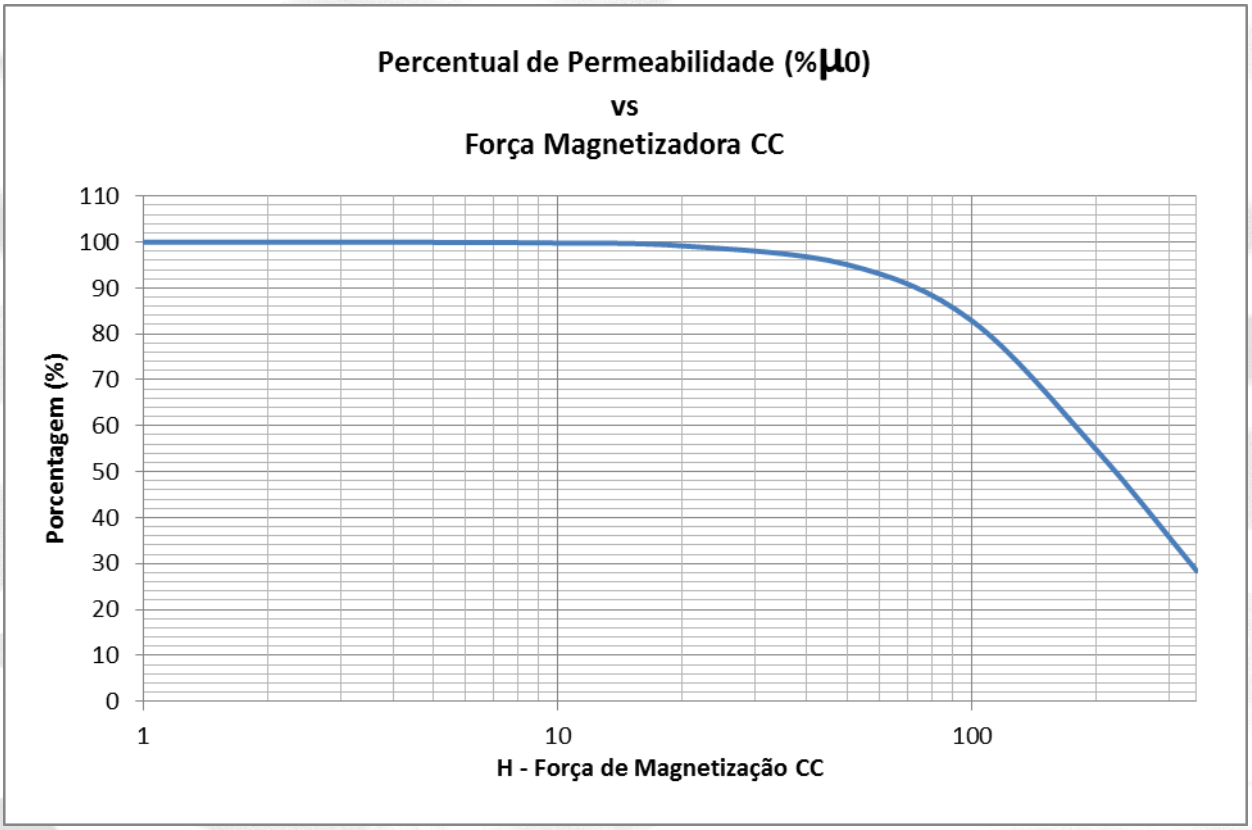
S25 | S26 | S40 | S60 | S75

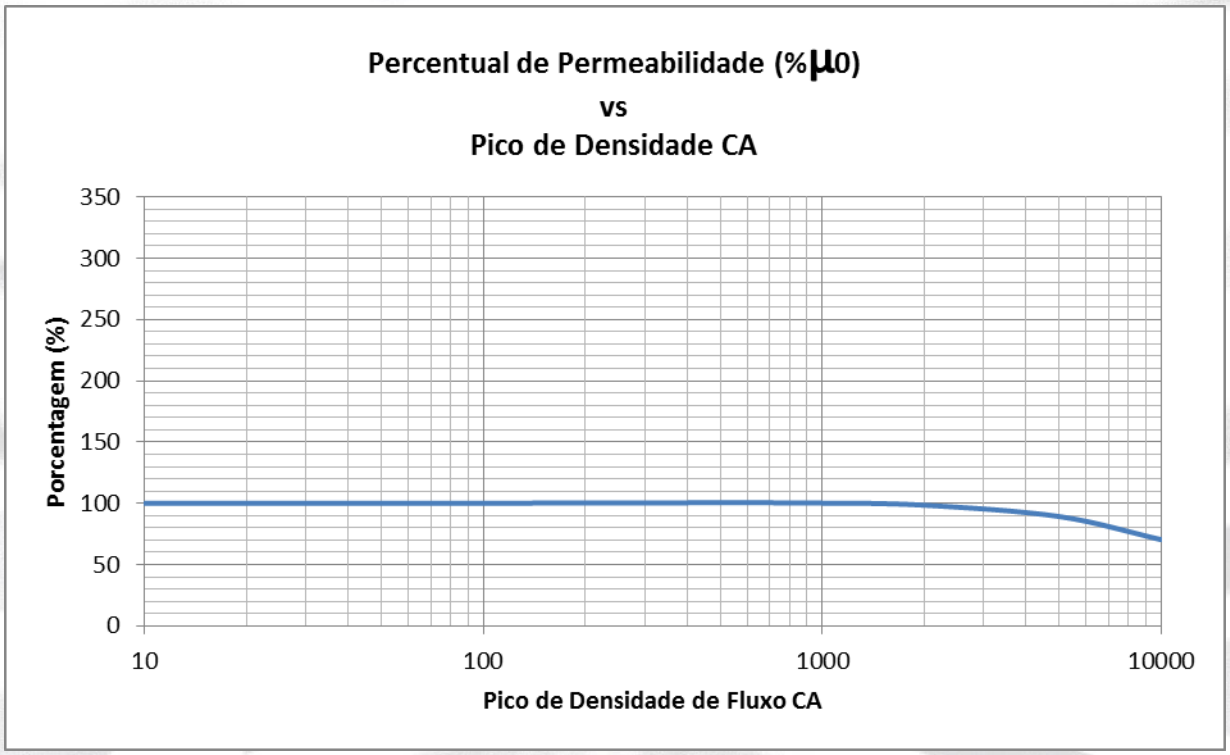
Produto	Código	AL (nH/esp²) Tolerância = ±10%	Ø Ext (mm)	Ø Int (mm)	Altura (mm)	L (cm)	A (cm²)	V (cm³)	As (cm²)	Peso (g)
MMTS26T10216	1.01.0145	47	101,6	57,15	16,51	24,271	3,523	85,495	301	456
MMTS26T13325	1.01.0146	67,6	132,54	78,59	25,4	32,429	6,71	217,58	723	1160,8
MMTS26T16551	1.01.0989	160	165	88,9	50,38	38,65	18,92	731,26	986	3898,6
MMTS40T2715	1.01.0217	64	26,9	14,7	14,6	6,35	0,858	5,57	35,5	29,72
MMTS40T4718	1.01.1273	90	47,63	23,32	18,92	10,74	1,99	21,3	96,3	126,25
MMTS40T13325	1.01.0218	104	132,54	78,59	25,4	32,429	6,71	217,6	723	1215,2
MMTS60T2711	1.01.0147	75	26,9	14,7	11,2	6,35	0,654	4,15	31	22,14
MMTS60T3611	1.01.0506	56	36,63	21,54	11,28	8,98	0,678	6,088	48,1	35,3
MMTS60T4718	1.01.1274	135	47,63	23,32	18,92	10,74	1,99	21,3	96,3	131,2
MMTS60T5715	1.01.0148	138	57,2	26,4	15,2	12,5	2,29	28,6	52,8	152,6
MMTS60T6225	1.01.1561	192	63,1	31,37	26,27	14,37	3,675	52,81	172,1	336,6
MMTS60T7713	1.01.0149	68	77,8	49,2	12,7	19,95	2,270	45,3	180	242
MMTS60T13325	1.01.0150	156	132,54	78,59	25,4	32,429	6,71	217,6	723	1215,2
MMTS60T16551	1.01.1323	368	167,2	86,9	52,9	38,65	18,92	731,26	1063,3	4466,4
MMTS75T2711	1.01.0766	94	27,7	14,1	11,99	6,35	0,654	4,15	33,6	25,5
MMTS75T3311	1.01.0509	76	33,83	19,3	11,61	8,15	0,672	5,48	43,6	33,6
MMTS75T4015	1.01.0219	101	39,9	24,1	14,5	9,84	1,072	10,5	63,2	56,03
MMTS75T4718	1.01.1565	169	47,63	23,32	18,92	10,74	1,99	21,3	96,3	132,2



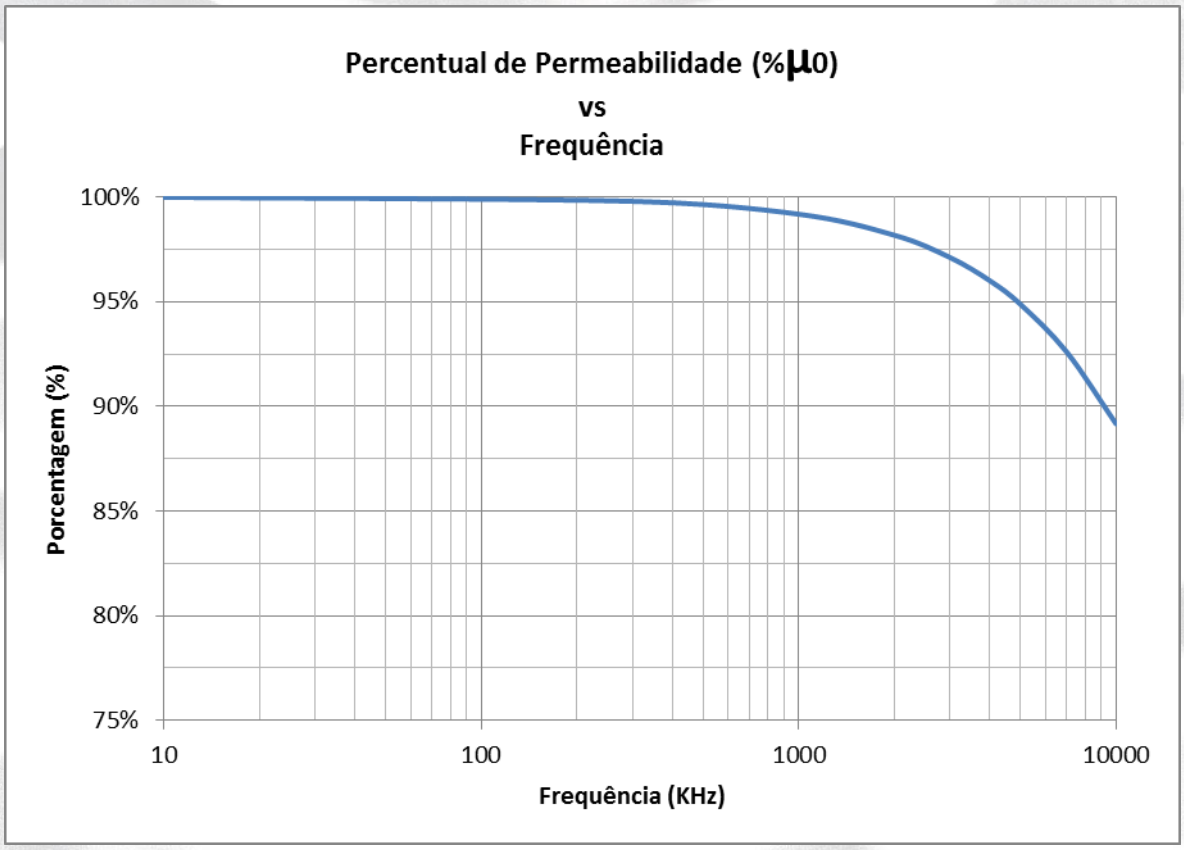
GRÁFICOS

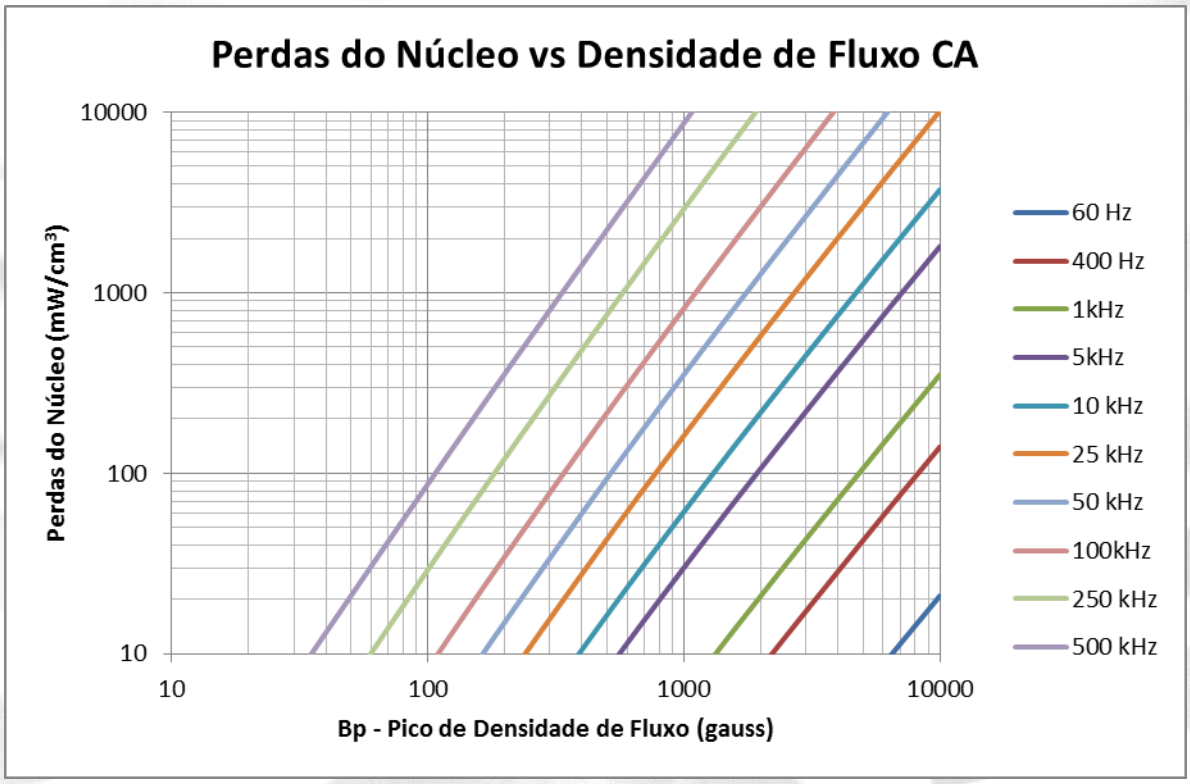
Material S26



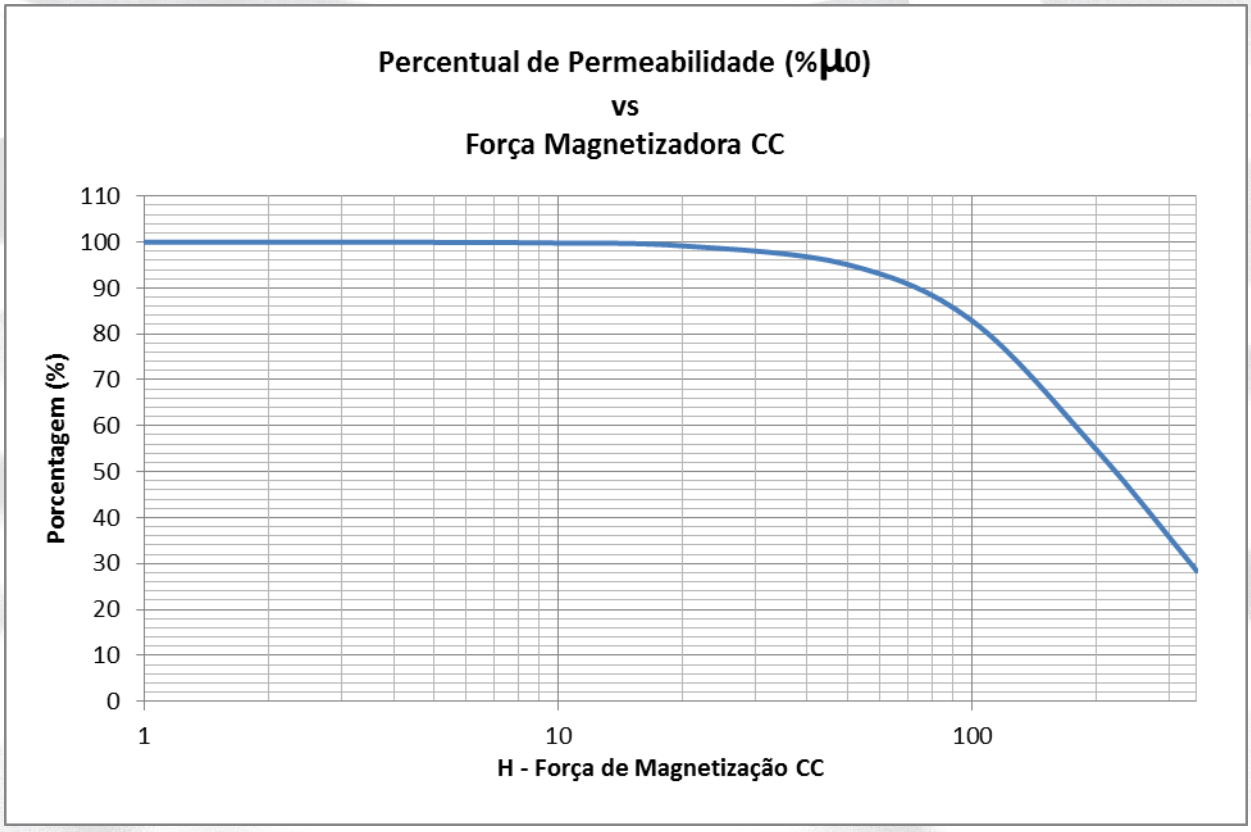


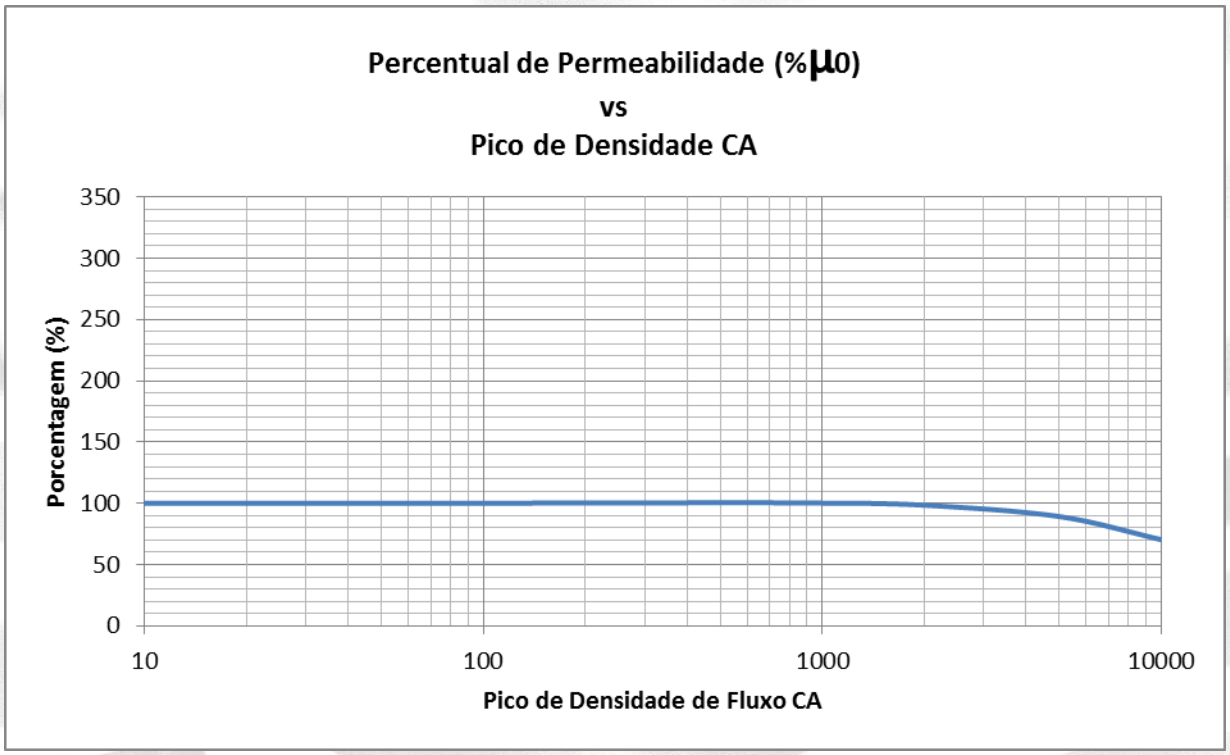
Material S26



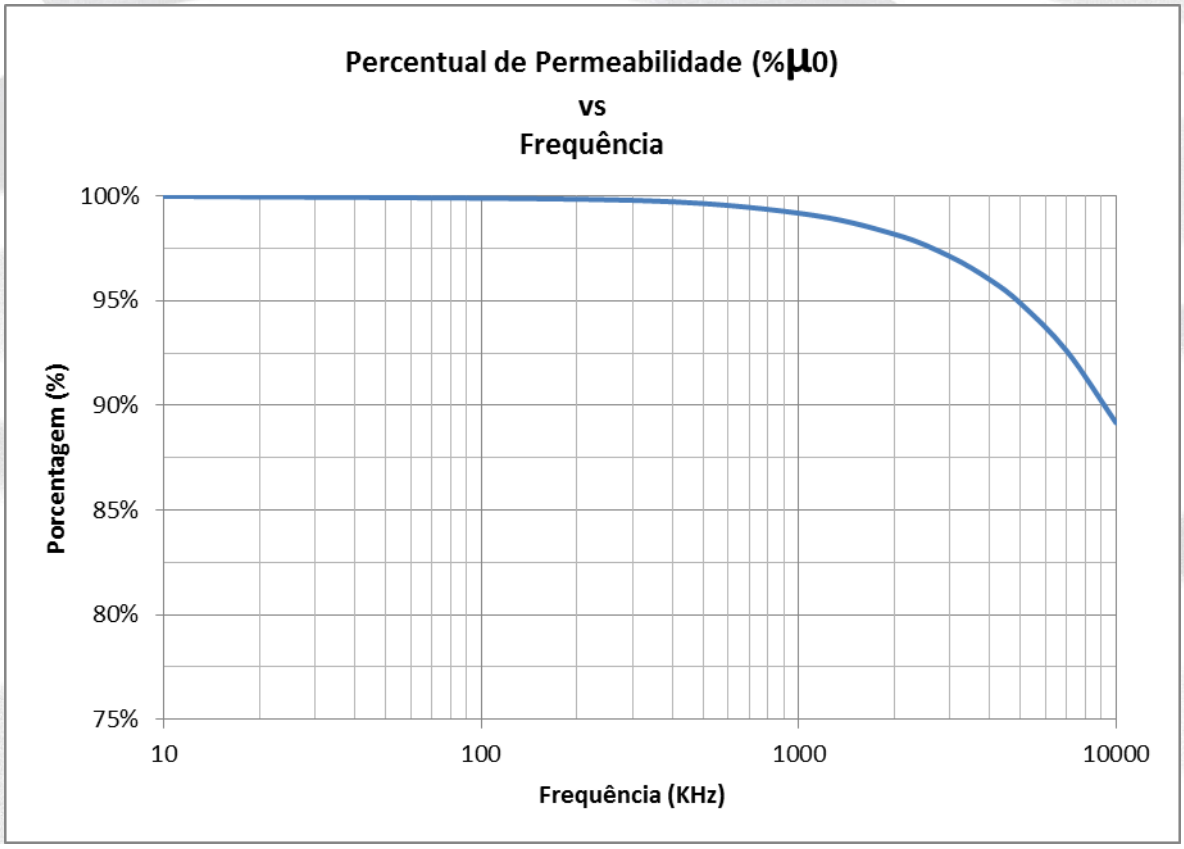


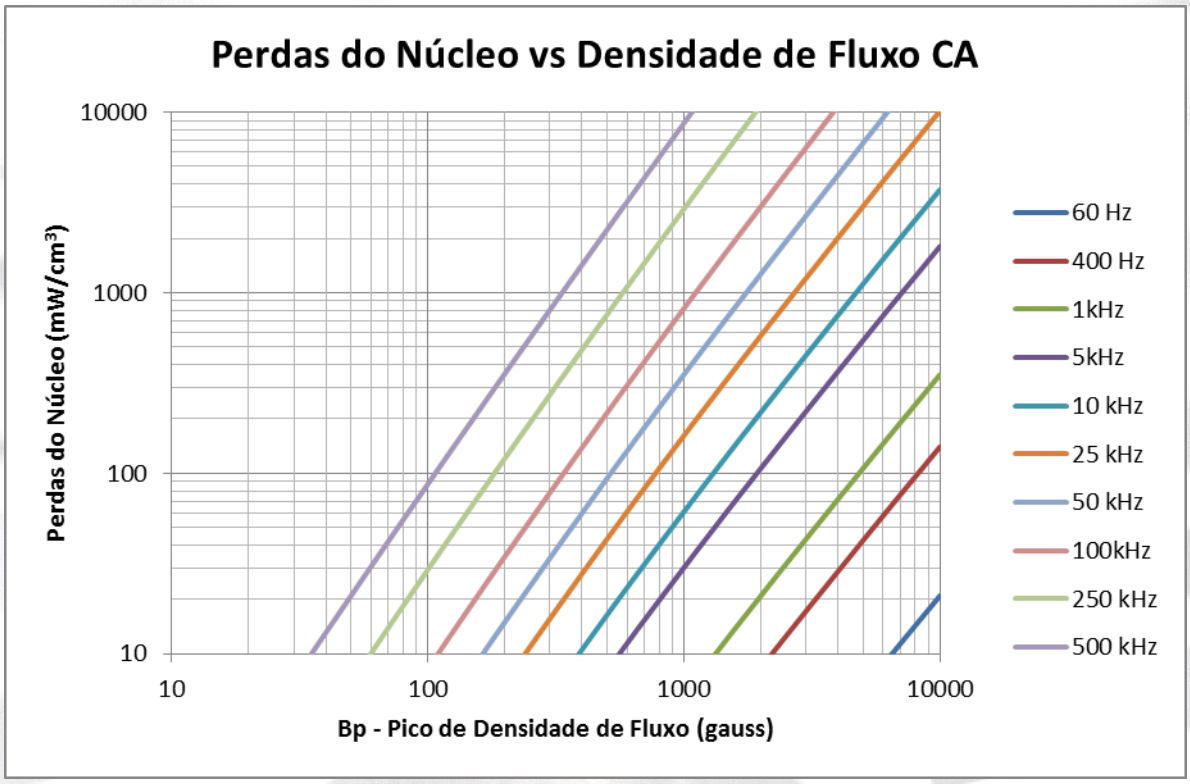
Material S40





Material S40





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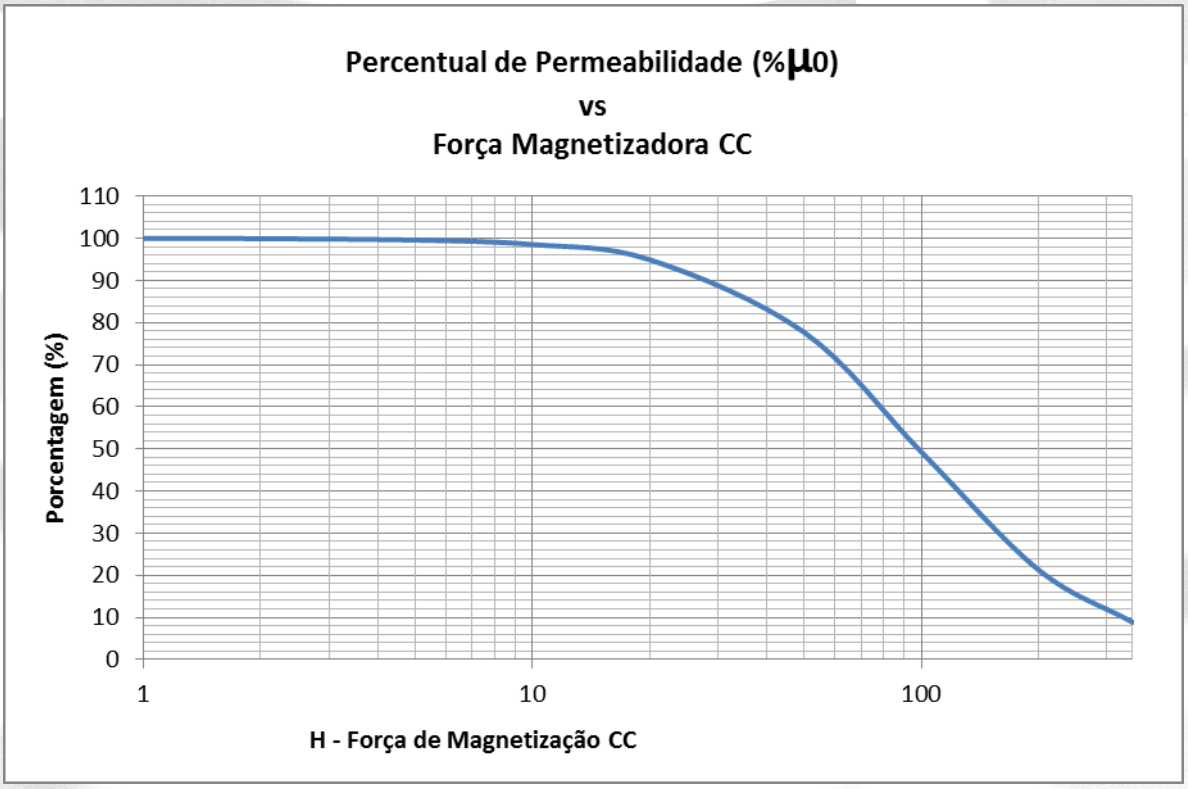
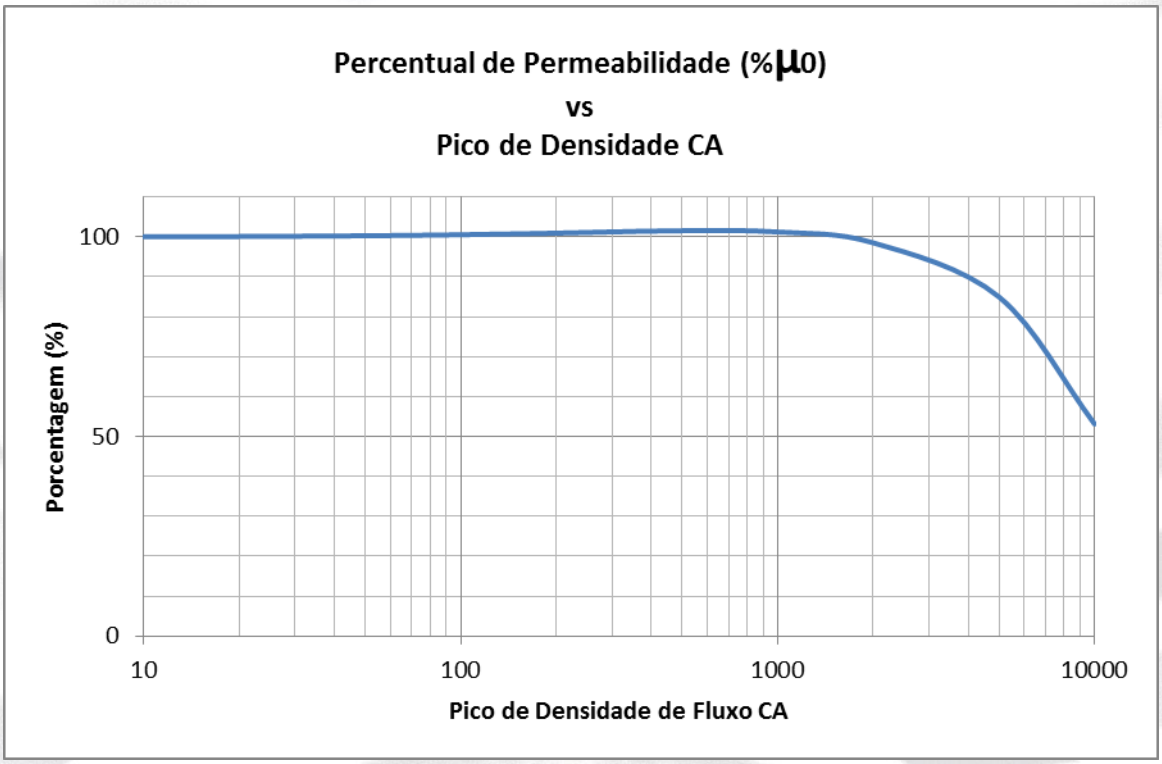
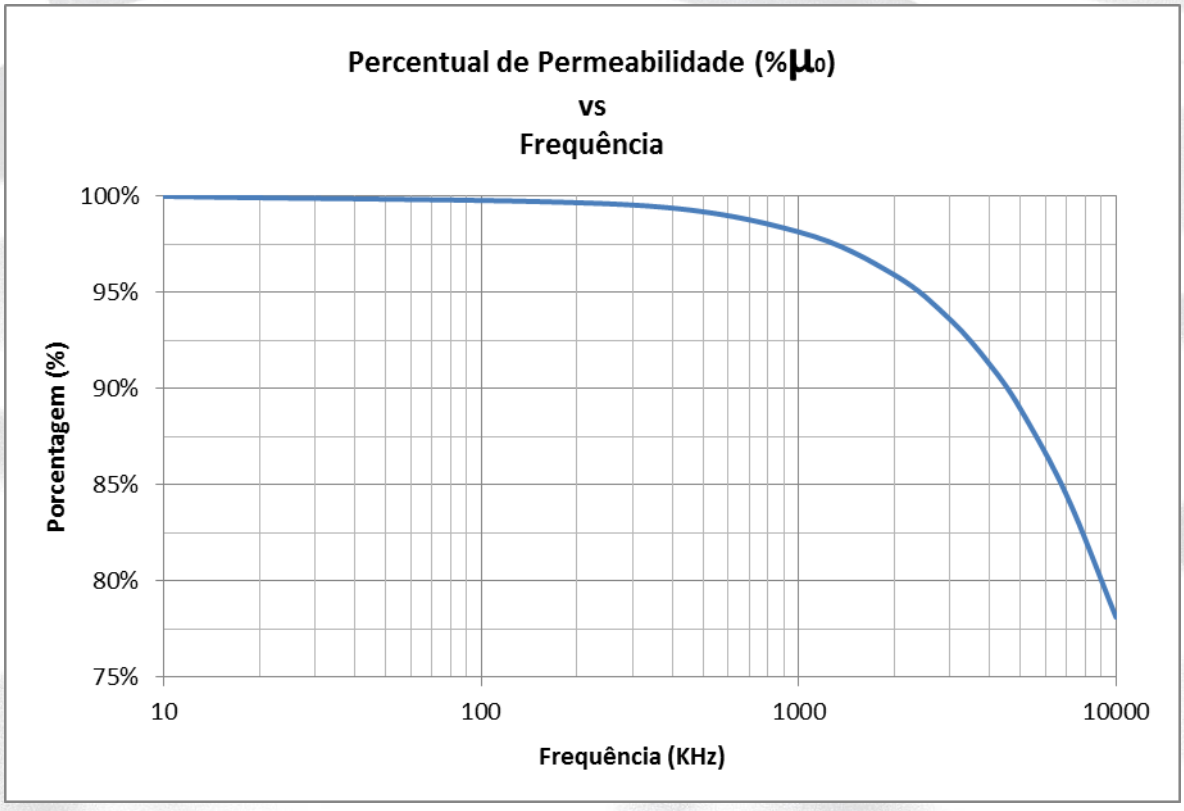
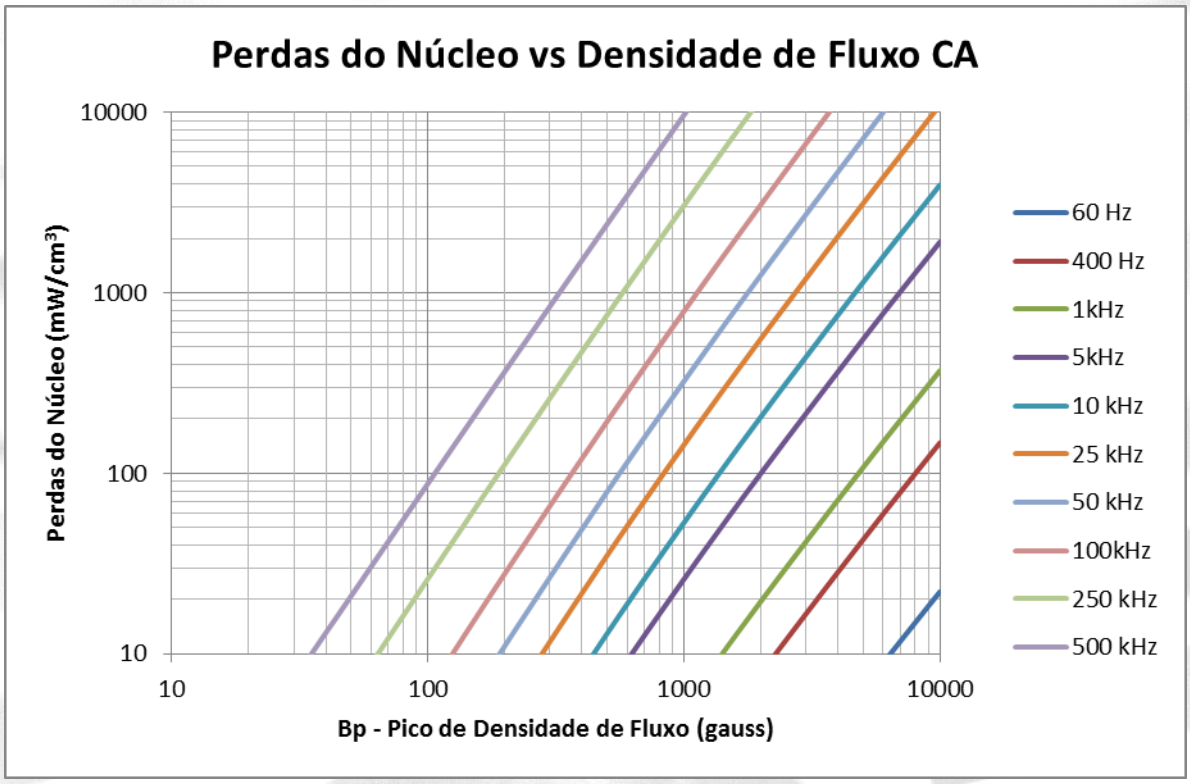


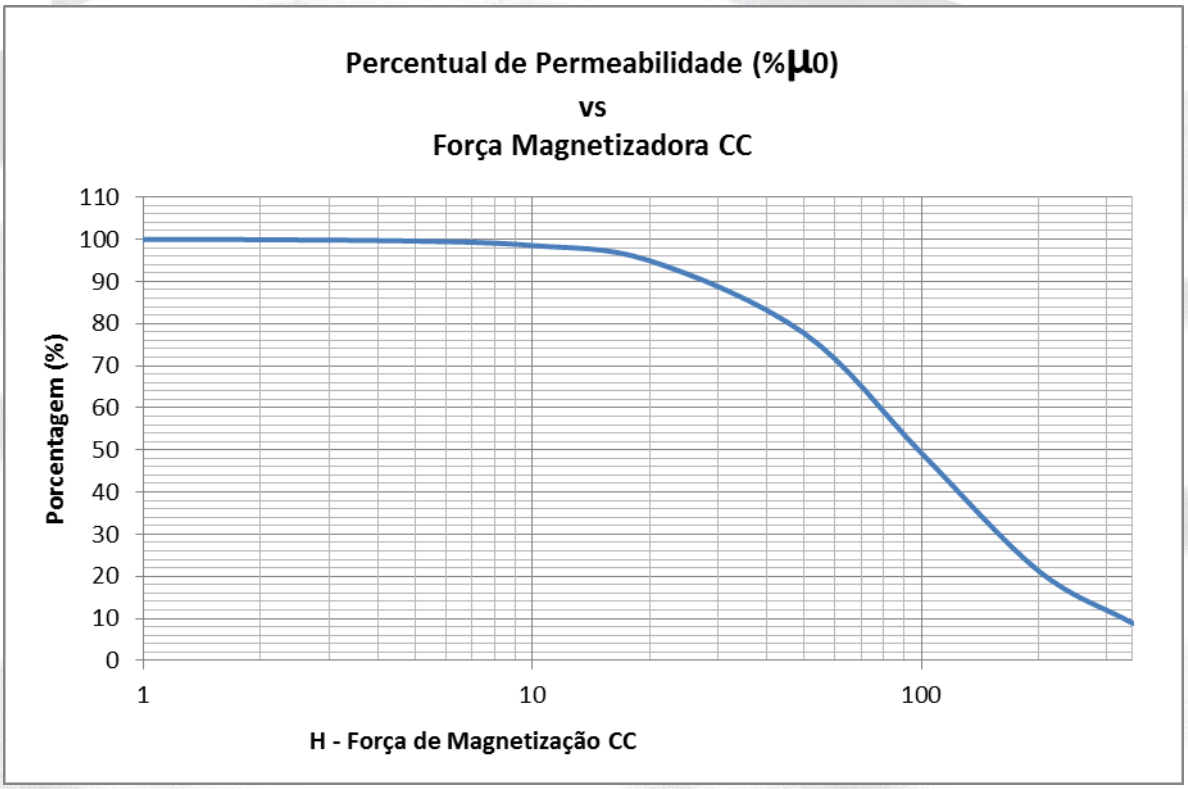


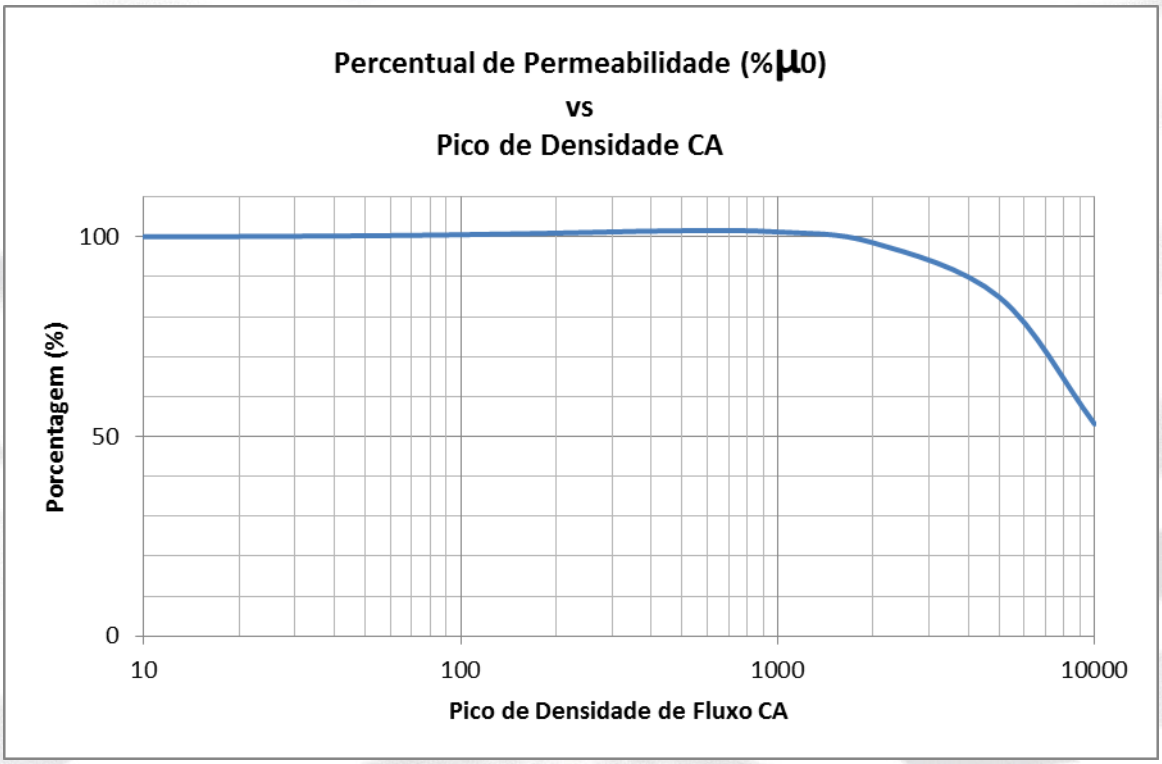
Material S60



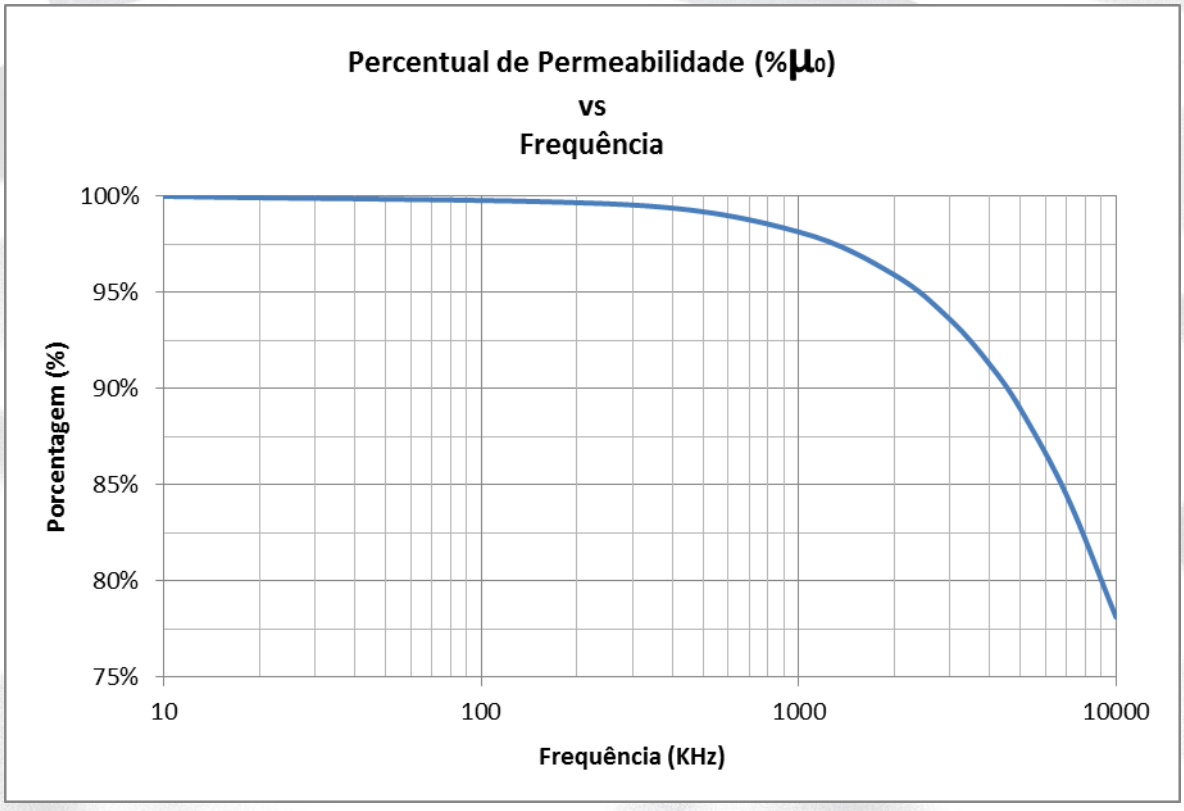


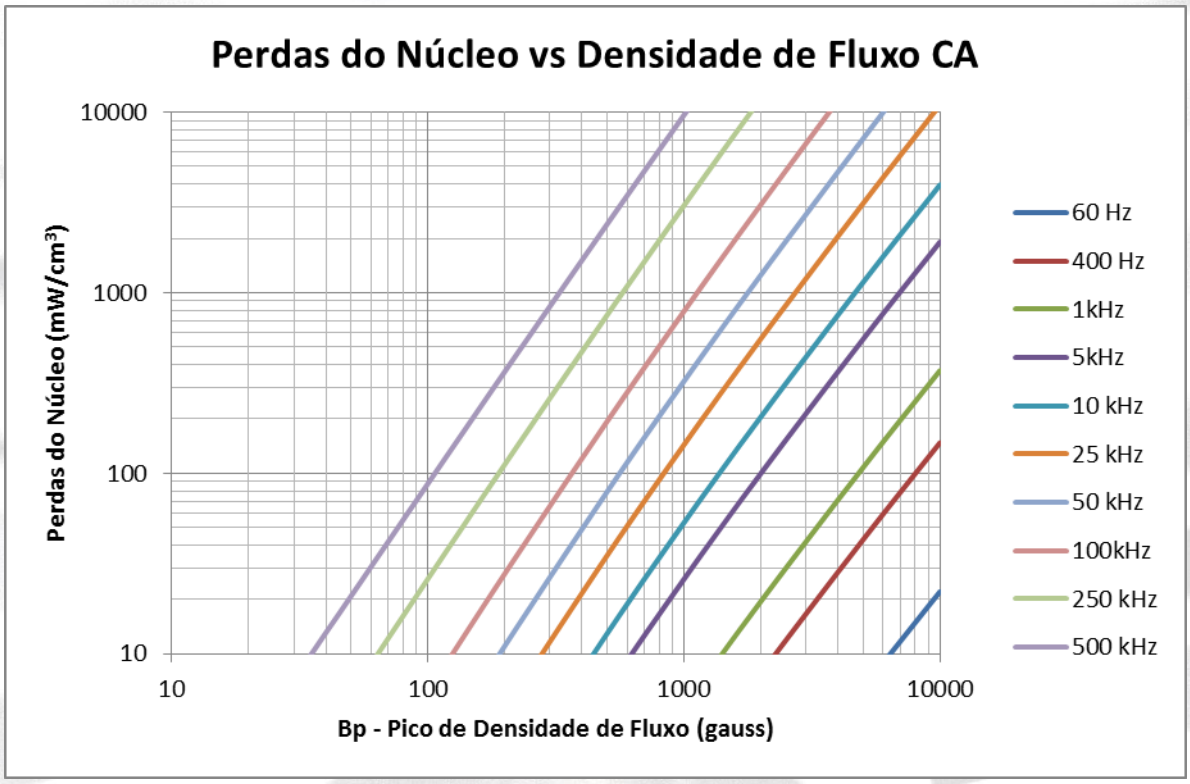
Material S75



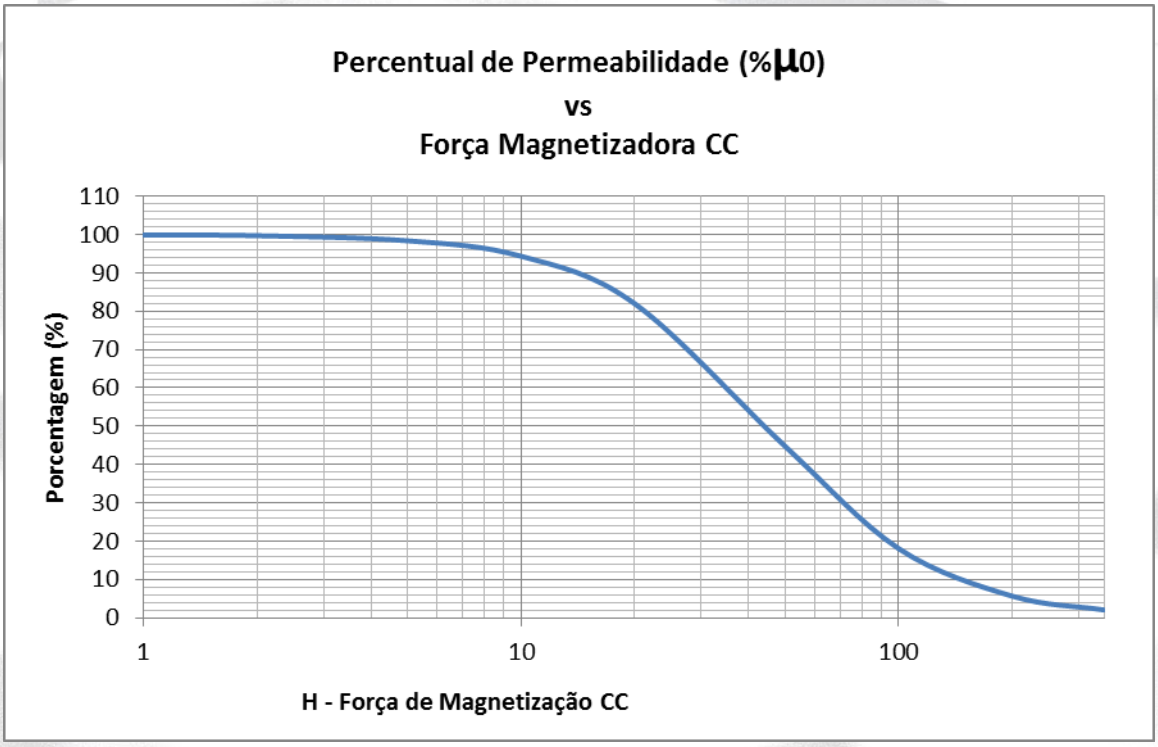


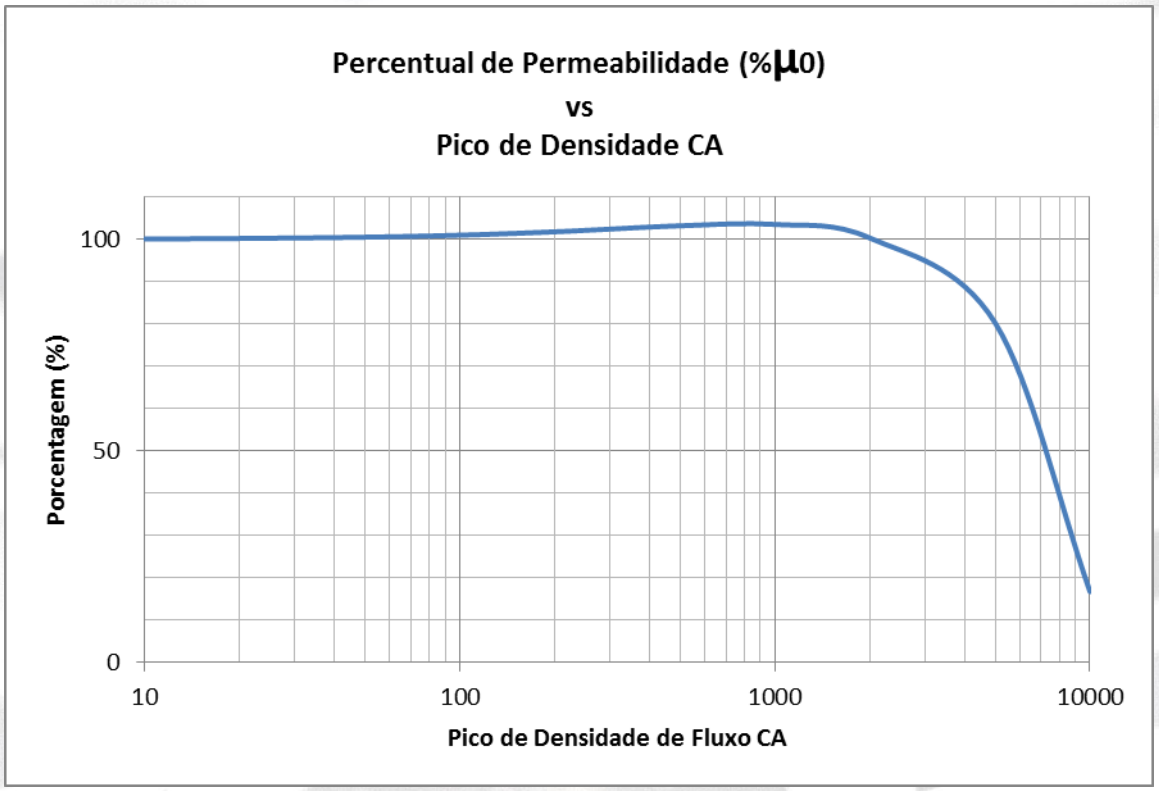
Material S75



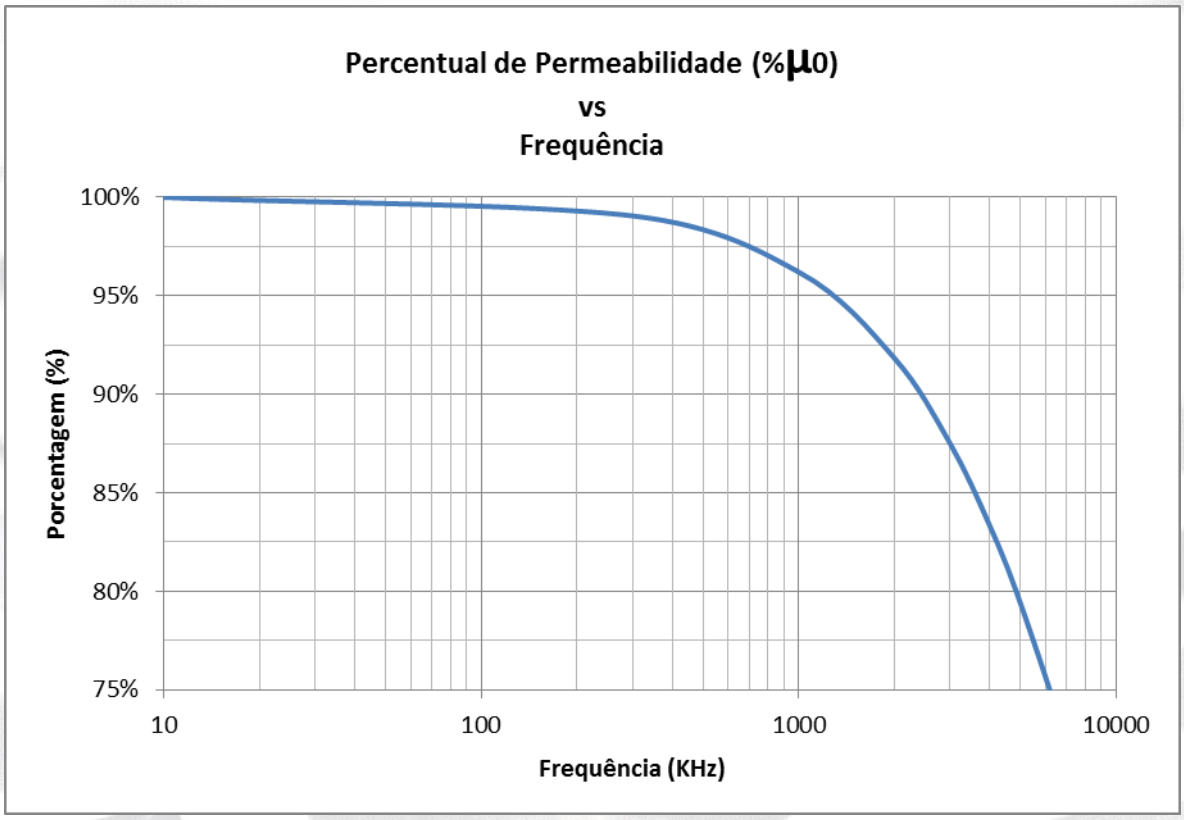


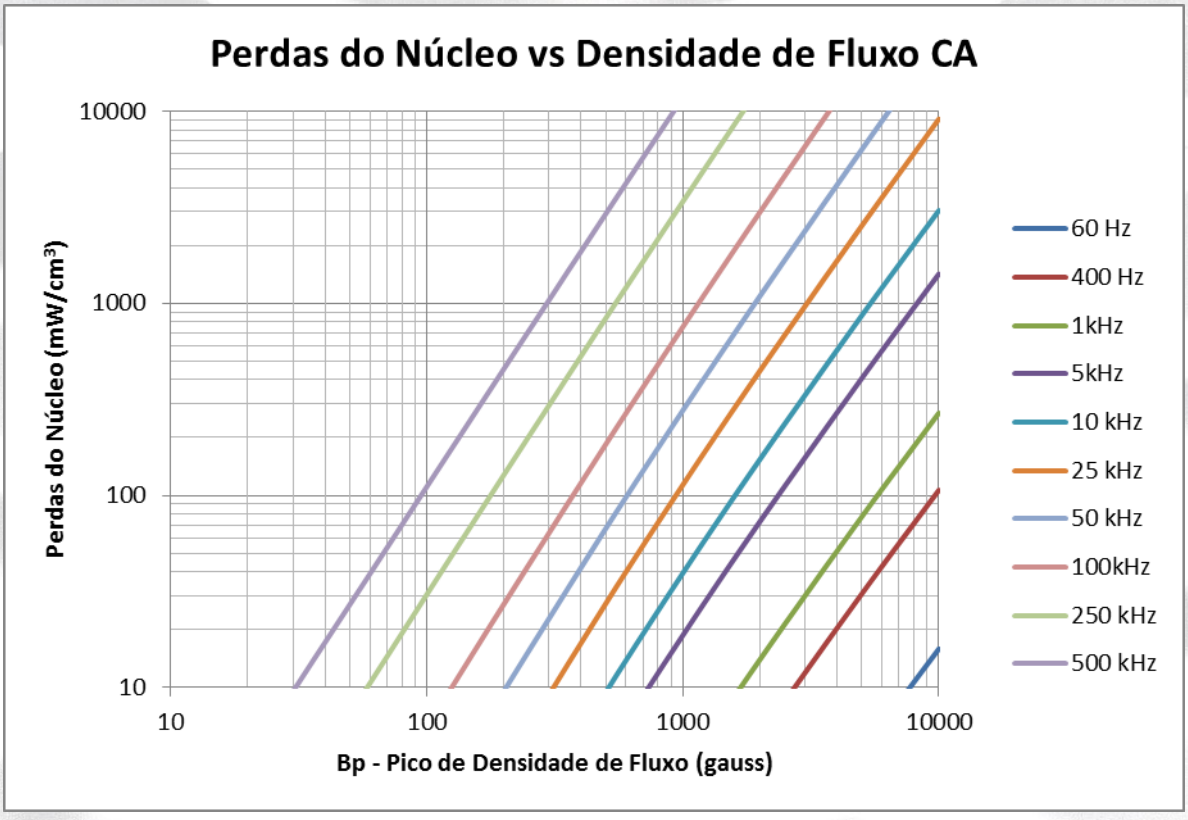
Material S25





Material S25


Percentual de Permeabilidade (%μ0)
vs
Frequência
100%
95%
90%
85%
80%
75%
Porcentagem (%)
10
100
1000
10000
Frequência (KHz)


Perdas do Núcleo vs Densidade de Fluxo CA
10000
1000
100
10
Perdas do Núcleo (mW/cm³)
10
100
1000
10000
Bp - Pico de Densidade de Fluxo (gauss)
60 Hz
400 Hz
1kHz
5kHz
10 kHz
25 kHz
50 kHz
100kHz
250 kHz
500 kHz